

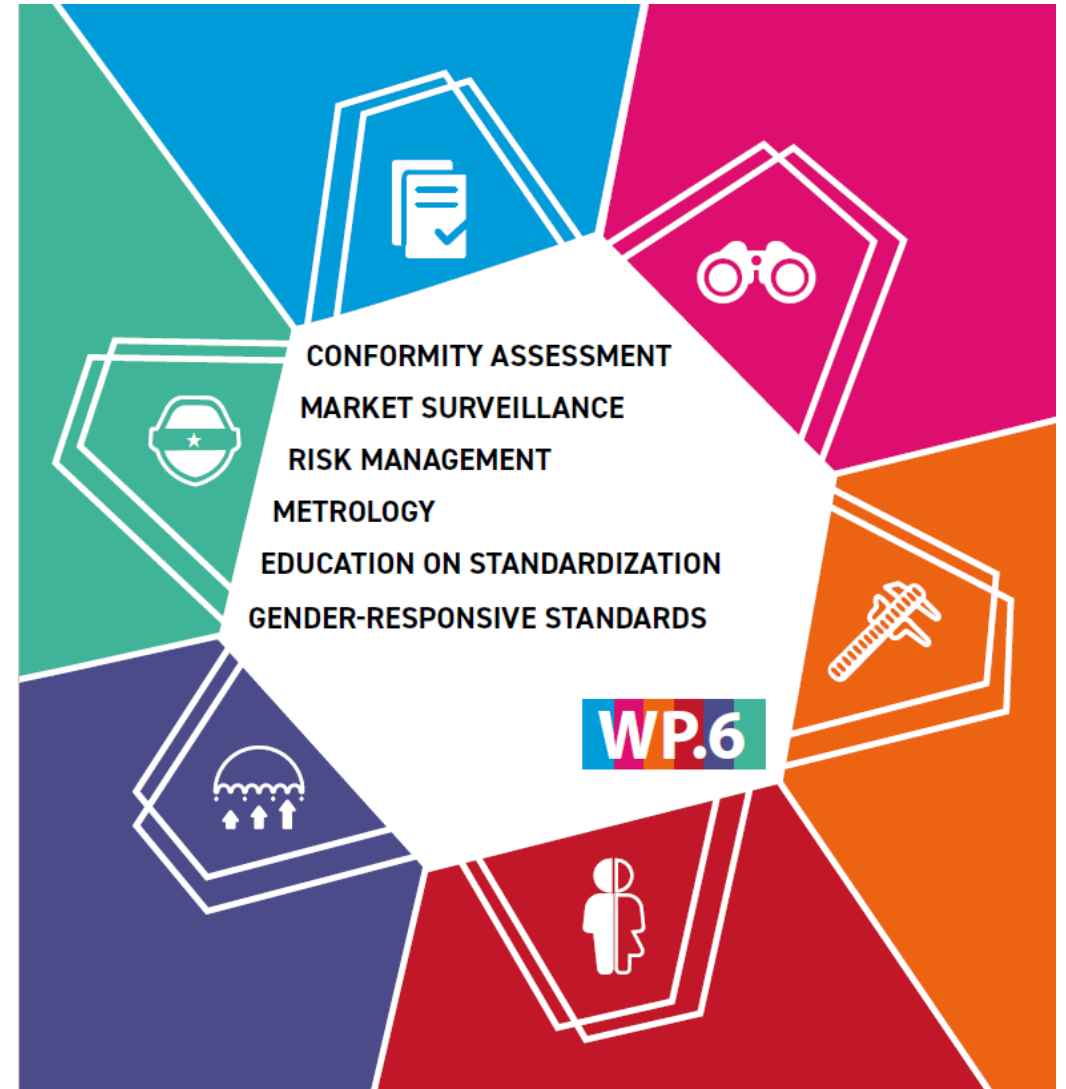
# Working Party on Regulatory Cooperation and Standardization Policies

## A Survey of UNECE's Projects/Activities on AI

Alec Fischbein  
Intern

**UNECE – [Working Party 6](#)**

06/02/2024, Geneva

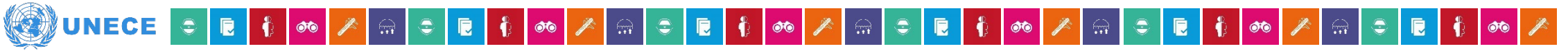


# Regulatory Compliance of Products with Embedded Artificial Intelligence or Other Digital Technologies



- Division/Entity Name: WP.6—Working Party on Regulatory Cooperation and Standardization Policies; Project Contact: Lance Thompson—[lance.thompson@un.org](mailto:lance.thompson@un.org)
- Project Start Year: 2021; Project End Year: 2024
- Description: WP.6 Recommendation L proposes a policy framework document, a common regulatory arrangement (CRA), to encourage harmonization of technical regulations for products with embedded technologies in regards to conformity assessment and market surveillance. The project team will then work on a “declaration” which countries could ratify on this topic.
- SDGs: SDG 5 – Gender Equality; SDG 8 – Decent Work and Economic Growth; SDG 9 – Industry, Innovation, and Infrastructure; SDG 10 – Reduced Inequalities; SDG 12 – Responsible Consumption and Production; SDG 16 – Peace, Justice, and Strong Institutions; SDG 17 – Partnerships for the Goals
- Contribution: [White Paper with Base Principles](#); [Further Information on Project Advancement](#)

# Machine Learning Group 2022



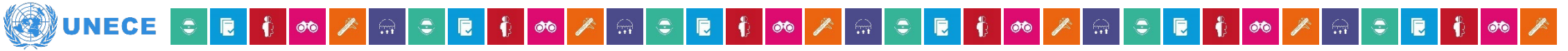
- Division/Entity Name: Statistics; Project Contact: InKyung CHOI—[choii@un.org](mailto:choii@un.org)
- Project Start Year: 2019; Project End Year: 2022
- Description: The Machine Learning (ML) Group is an initiative to provide a platform for the global statistical community to develop research, build skills, and share common challenges and solutions on ML developments and applications. ML Group 2022 focuses on text classification, AIS modelling, imagery analysis, quality of training data, model re-training, web-scraping data, and IT infrastructure.
- SDGs: All
- Contribution: [Machine Learning for Official Statistics](#); [Final Report](#)

# Large Language Models for Official Statistics



- Division/Entity Name: HLG-MOS—High-Level Group for the Modernisation of Official Statistics; Project Contact: InKyung CHOI— [choii@un.org](mailto:choii@un.org)
- Project Start Year: 2023; Project End Year: 2024
- Description: The purpose of this project is to establish a common understanding of Large Language model's (LLM) potential within the statistical community. The white paper examines examples of implementation from various statistical organizations which showcase the capabilities, challenges, and risks of LLM.
- SDGs: All
- Contribution: [White Paper](#)

# Functional Requirements for Automated Vehicles



- Division/Entity Name: WP.29/GRVA—Working Party on Automated/Autonomous and Connected Vehicles; Project Contact: Francois GUICHARD—francois.guichard@un.org
- Project Start Year: 2019; Project End Year: 2024
- Description: The Group works on safety requirements covering all Automated Driving Systems (ADS) configurations (SAE Levels 3-5). These activities at an intergovernmental level form a novel initiative aimed at harmonizing globally automated vehicles regulations and creating a more productive environment for innovation.
- SDGs: SDG 3 – Good Health and Wellbeing; SDG 9 – Industry, Innovation and Infrastructure; SDG 11 – Sustainable Cities and Communities
- Contribution: [Informal Document Endorsed by WP.29](#), [GRVA Reference Documents](#)

# Validation Method for Automated Driving



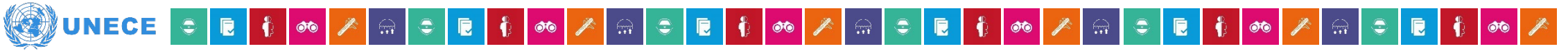
- Division/Entity Name: WP.29/GRVA—Working Party on Automated/Autonomous and Connected Vehicles; Project Contact: Francois GUICHARD—francois.guichard@un.org
- Project Start Year: 2019; Project End Year: 2024
- Description: The Group supports a goal of designing ADS free of unreasonable safety risks and ensuring compliance with road traffic regulations through a robust design and validation process based on a systems-engineering approach. The Group includes four subgroups: (a) Scenarios, (b) Simulation, (c) Audit and Monitoring, and (d) Track Test and Real-world Test.
- SDGs: SDG 3 – Good Health and Wellbeing; SDG 9 – Industry, Innovation and Infrastructure; SDG 11 – Sustainable Cities and Communities
- Contribution: [Guideline for Validating Automated Driving System](#)

# Task Force on Digitalization in Energy



- Division/Entity Name: Sustainable Energy; Project Contact: Igor LITVINYUK—litvinyuk@un.org
- Project Start Year: 2021; Project End Year: 2022
- Description: The Task Force provides a platform for cross-industry experts from the energy and digital innovations sectors to establish new business models for more sustainable energy. It also aggregates, reviews, and harmonizes existing policy initiatives in order to assist stakeholders to provide direction to achieve the higher levels of efficiency.
- SDGs: SDG 7 – Affordable and Clean Energy; SDG 9 – Industry, Innovation and Infrastructure; SDG 11 – Sustainable Cities and Communities; SDG 12 – Responsible Consumption and Production; SDG 17 – Partnership for the Goals
- Contribution: Digitalization: [Enabling the New Phase of Energy Efficiency; Policy Recommendations; Joint Paper](#)

# Challenges of Big Data and Analytics-Driven Demand-Side Management



- Division/Entity Name: Sustainable Energy; Project Contact: Igor LITVINYUK—litvinyuk@un.org
- Project Start Year: 2022; Project End Year: 2022
- Description: The study aims to: (a) review the current challenges of big data analytics in distribution grid/demand-side management; (b) describe policy gaps to the progress of advanced analytics in the utility sector; and (c) identify key questions that deserve further analysis to address the challenges, so the utility industry can realize international collaboration and fair competition in this technology space.
- SDGs: SDG 7 – Affordable and Clean Energy; SDG 9 – Industry, Innovation and Infrastructure; SDG 10 – Reduced Inequalities; SDG 11 – Sustainable Cities and Communities; SDG 12 – Responsible Consumption and Production; SDG 17 – Partnerships for the Goals
- Contribution: [Study](#)



# Use of Artificial Intelligence in Trade Facilitation



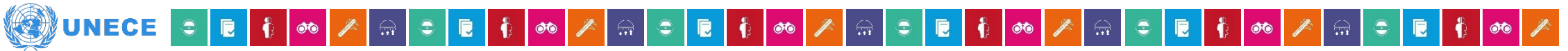
- Division/Entity Name: UN/CEFACT—Centre for Trade Facilitation and Electronic Business; Project Contact: [uncefact@un.org](mailto:uncefact@un.org)
- Project Start Year: 2021; Project End Year: 2023
- Description: The purpose of this project is to determine the best practices in how AI technology could be used to facilitate trade and related processes in international supply chain. One white paper would examine the technical aspects of AI and its relation to UN/CEFACT deliverables, and a second business case/process oriented whitepaper would examine how AI technology could be used to facilitate cross border paperless trade.
- SDGs: SDG 17 – Partnerships for the Goals
- Contribution: [Artificial Intelligence Demystified](#); [White Paper](#); [White Paper on the Internet of Things \(IoT\)](#)

# UN/CEFACT JSON-LD Web Vocabulary



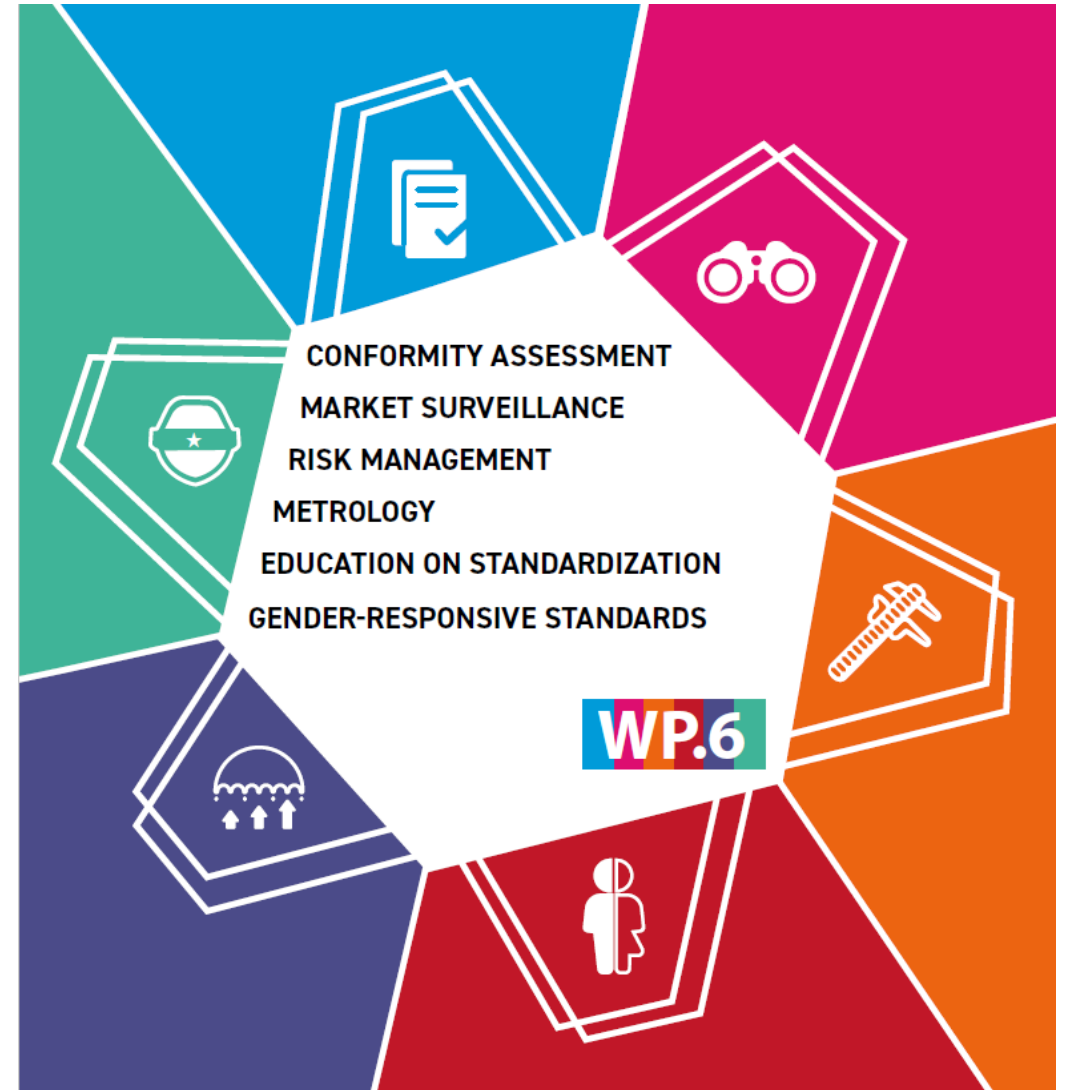
- Division/Entity Name: UN/CEFACT—Centre for Trade Facilitation and Electronic Business; Project Contact: [uncefact@un.org](mailto:uncefact@un.org)
- Project Start Year: 2023; Project End Year: 2023
- Description: The initiative aims to support the interoperability of trade by allowing supply chain actors to more easily integrate a common vocabulary in their business tools to ensure that data shared between different entities is consistent and easily interpretable. This will allow AI systems to read and process data encoded in JSON-LD standardizing format structure and information facilitating ML and deep learning algorithms to graphically represent, cross-reference, and comprehend crucial trade contexts.
- SDGs: SDG 17 – Partnerships for the Goals
- Contribution: [UN/CEFACT JSON-LD Web Vocabulary](#)

# United for Smart Sustainable Cities (U4SSC)



- Division/Entity Name: Housing and Land Management; Project Contact: Gulnara Roll—[gulnara.roll@un.org](mailto:gulnara.roll@un.org)
- Project Start Year: 2016; Project End Year: Ongoing
- Description: This initiative was established in 2016 to be a global platform for stakeholders advocating the use of ICT to facilitate the transition to smart sustainable cities. The initiative aims to: generate guidelines, policies and frameworks for the integration of ICTs into urban operations; streamline smart sustainable cities action plans; and establish best practices. The topics of last phase of the initiative were circular cities, financing smart sustainable cities projects, blockchain in cities, artificial intelligence in cities, sensing technologies and Internet of Things in cities.
- SDGs: SDG 11 – Sustainable Cities and Communities; SDG 17 – Partnership for the Goals
- Contribution: [Case Study on AI](#); [Initiative Platform on AI](#)

# Working Party on Regulatory Cooperation and Standardization Policies



Merci    ありがとうございました    Hvala    Ačiū  
شكرا جزيلاً    Mahalo    Дякую    Teşekkür ederim  
Рахмат    Dankon    ඔබට ස්තූතියි    Sagbol    Ευχαριστώ  
Tack    Çox sağ ol    Dziękuję Ci    Obrigado  
მადლობთ    תודה    감사합니다    धन्यवाद    Dankon  
Natur nuhun    Баярлалаа    Хвала вам    Dankon  
Tak skal du have    Diolch    Хвала вам  
Спасибо    Go raibh maith agat    Faleminderit    Paldies  
Grazzi    Dank je    Рахмат сага    Faafetai    Благодаря ти  
Grazie    Mulțumesc    Ačiū    Danke  
Gracias    谢谢    සුභආඥා    Takk skal du ha  
Salamat    Aitäh    Dankie    Þakka þér fyrir  
Ви благодарам    Dėkuji    Köszönöm    Дзякуй  
धन्यवाद    Gràcies    Asante  
Kiitos

# Thank you

Alec Fischbein  
Intern

**UNECE – Working Party 6**  
06/02/2024, Geneva